

Abstract of the Disclosure

The invention relates to a process and an apparatus for
5 manufacturing of a nonwoven. In order to be able to cost-
effectively produce a nonwoven, which is to a great extent iso-
tropic in machine and cross direction, a double-layer web is
produced according to the invention by one single web forming
device, where the one partial web consists of mainly lengthwise
10 oriented fibers and the other partial web laid in zigzag - the
cross-fiber partial web - consists of mainly crosswise oriented
fibers. The primary fleece for the cross-fiber partial web is
taken off the web forming process at a several times higher
speed than the fleece of the other, slower partial web. Both
15 partial webs are redirected and oriented to each other in such
a way, that they can be brought together to form a double-layer
complete web. This double-layer web produced in a cost-effec-
tive way is then bonded to form a nonwoven which is to a great
extent isotropic.